

SERIA AR

AR1-610-24-B-A-3-3-312

- 1 - 6-polowe
- 0.1-50 A
- Do 277 V AC
- Do 90 V DC



OPIS PRODUKTU

Firma Mors Smitt ze względu na swoje świetne zorientowanie na potrzeby klienta oferuje szeroką gamę wyłączników miniaturowych o przeróżnych specyfikacjach, aby sprostać najwyższym wymaganiom. Zamówienia należy komponować zgodnie z poniższą formatką. Przedstawione produkty są przykładowe.

AR	1	610	24	B	A	3	3	3	1	2
1. Series	2. Poles	3. Current rating	4. Frequency & delay	5. Circuit	6. Actuator	7. Actuator colour & legend	8. Auxiliary switch	9. Terminal	10. Mounting & barriers	11. Agency approval

1 Series

AR

2 Poles

1 One	4 Four
2 Two	5 Five
3 Three	6 Six

3 Current rating (amperes)

210 0.100	512 1.250	485 8.500
215 0.150	415 1.500	490 9.000
220 0.200	517 1.750	495 9.500
225 0.250	420 2.000	499 10.000
230 0.300	522 2.250	435 15.000
235 0.500	423 3.500	434 16.000
240 0.400	527 2.750	437 17.000
245 0.450	430 3.000	438 18.000
250 0.500	435 3.500	420 20.000
260 0.600	440 4.000	422 22.000
265 0.650	445 4.500	424 24.000
270 0.700	450 5.000	425 25.000
275 0.750	455 5.500	430 30.000
280 0.800	460 6.000	435 35.000*
285 0.850	465 6.500	440 40.000*
290 0.900	470 7.000	450 50.000*
295 0.950	475 7.500	
410 1.000	480 8.000	

(Or voltage coil (nominal rated voltage)*)

306 6 DC	56 6 AC
A12 12 DC	12 12 AC
J18 18 DC	18 18 AC
J24 24 DC	24 24 AC
A32 32 DC	48 48 AC
J48 48 DC	63 63 AC
A63 63 DC	120 120 AC
	240 240 AC

(Other values on request)

4 Frequency & delay

01 DC, 50/60 Hz, switch only
10 DC instantaneous
11 DC ultra short
12 DC short
14 DC, medium
16 DC long
20 50/60 Hz instantaneous
21 50/60 Hz ultra short
22 50/60 Hz short
24 50/60 Hz medium
26 50/60 Hz long
42* 50/60 Hz short, hi-inrush
44* 50/60 Hz medium, hi-inrush
46* 50/60 Hz long, hi-inrush
52* DC, short, hi-inrush
54* DC, medium, hi-inrush
56* DC, long, hi-inrush

5 Circuit

A* Switch only (no coil)
B Series trip (current)
C Series trip (voltage)
D Shunt trip (current)
E Shunt trip (voltage)
JH* Dual coil with shunt trip voltage coil

6 Actuator*

A Handle, one per pole
B Handle, one per multipole unit
S Mid-trip handle, one per pole
T Mid-trip handle, one per pole & alarm switch

7 Actuator colour & legend

Actuator colour	I-O	ON-OFF	Dual	Legend colour
White	A	B	1	Black
Black	C	D	2	White
Red	F	G	3	White
Green	H	J	4	White
Blue	K	L	5	White
Yellow	M	N	6	Black
Grey	P	Q	7	Black
Orange	R	S	8	Black
White (short handle)*	V	W	0	Black

8 Auxiliary switch*

0 Without auxiliary switch
2 SPDT, 0.110 QC, term.
3 SPDT, 0.139 solder lug
4 SPDT, 0.110 QC, term. (gold contacts)
A SPDT, 0.110 QC, term. with mounted cover
B SPDT, 0.110 QC, term. (gold contacts) with mounted cover

9 Terminal**

1** Push-on, 0.250 tab (Q.C.)
2 Screw 8-32 with upturned lugs
3** Screw 8-32 (bus type)
4 Screw 10-32 with upturned lugs
5** Screw 10-32 (bus type)
6 Screw 8-32 with upturned lugs and 30° bend
7** Screw 8-32 (bus type) and 30° bend
8 Screw 10-32 with upturned lugs and 30° bend
9** Screw 10-32 (bus type) and 30° bend
B Screw M5 with upturned lugs
C Screw M4 with upturned lugs
E** Screw M4 (bus type)
F Screw M5 with upturned lugs and 30° bend
G** Screw M5 (bus type) and 30° bend
H** Screw M5 (bus type)
M** M6 threaded stud
Q Push-in stud
R Screw M4 with upturned lugs and 30° bend
T Screw M4 (bus type) and 30° bend
U Double lumen 0.25" / 6,3 mm
V M6 threaded stud 17 mm long with NTF washers and nut

Notes:

- Available up to two poles with AC or DC delays
- Separate pole type voltage coils not rated for continuous duty. Available only with delay codes 10, 20 & 30
- Available with circuit codes B & D only
- For 0.1 - 30 A, select current code 630
- For 35 - 50 A, select current code 650
- Current rating limited to 30 A maximum
- Consult Mors Smitt for available dual coil options, an special catalogue number is required. With shunt construction, dual coils will trip instantaneously on line voltage. Dual coils require 30 VA minimum power to trip and are rated for intermittent duty only
- Actuator code:
 - S Handle moves to mid-position only upon electrical trip of the breaker, available with all circuit codes, except switch only
 - T Handle moves to mid-position and alarm switch activates only upon electrical trip of the breaker, available with circuit codes B & C
- Single pole only
- On multi-pole breakers, one auxiliary switch is supplied, mounted in the extreme right pole (rear view)
- Ratings over 30 A are only available with terminals codes 5, 9, G and H
- Terminal code 1: up to 30 A, but not recommended over 20 A
- Terminal codes 3, 5, 7, 9, E, G and H (bus type) are supplied with lock washers
- Terminal code M (M6 threaded stud) is supplied with lock and flat washers
- TUV certified: not for switch only circuits and only for actuator legend 'S-O' and dual legend
- UL recognized: for most applications, not all
- Special applications without appendix: agency approval code A

10 Mounting & barriers

Mounting style	Barriers
flushed insert, 2 per pole	No
1 6-32 x 0.195 inch	No
A 6-32 x 0.195 inch	Yes (between poles only)
2 ISO M3 x 5 mm	No
B ISO M3 x 5 mm	Yes (between poles only)

12 Agency approval

2** TUV certified, UL recognized

Wszystkie wyłączniki firmy Mors Smitt są projektowane zgodnie z normami:

- IEC 60077-1/2/3/4
- NF F62-001 - 1/2/3
- NF F16-101/102
- EN 45545-2
- EN 50155
- EN 61373
- EN 50124-1
- IEC 60068-2-30
- IEC 60068-2-52
- NF F61-010